

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Jones

Serial No. 10/686,925

Filing Date: 10/16/03

For: Advance Notification System and
Method Utilizing Vehicle Signaling

Examiner:

Docket No. 050119-1072

Confirmation No.: 7477

Art Unit: 3661

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

under 37 CFR 1.97(b), or
(within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

under 37 CFR 1.97(c) together with either a:
 Statement Under 37 C.F.R. 1.97(e), or
 a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)

under 37 CFR 1.97(d) together with a:
 Statement under 37 CFR 1.97(e), and
 a \$180.00 petition fee set forth in 37 CFR 1.17(p).
(Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Enclosed is a check in the amount of \$

Enclosed is Credit Card Payment Form (PTO-2038) in the amount of \$

Please charge \$ to deposit account . At any time during the pendency of this application, please charge any fees required to Deposit Account pursuant to 37 CFR 1.25. The Commissioner is hereby requested to credit any overpayment to Deposit Account No.

Applicant(s) submit herewith *Form PTO 1449A - Information Disclosure Statement by Applicant* together with copies (where required) of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.

A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on the form PTO 1449 and is enclosed herewith.

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

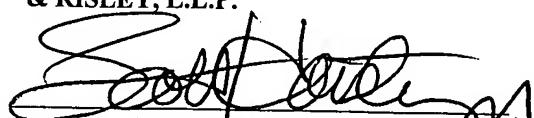
This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. Any statements or identifications regarding the relevance of any portion(s) of cited references should not be construed as a representation that the most relevant portion(s) have been identified, and the absence of such statements or identifications should not be construed as representations that there are no relevant portion(s). The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

THOMAS, KAYDEN, HORSTEMEYER
& RISLEY, L.L.P.

By:



Scott A. Horstemeyer, Reg. No. 34,183

100 Galleria Parkway, Suite 1750
Atlanta, Georgia 30339-5948
770-933-9500

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I hereby certify that this correspondence is being deposited with the United States Postal Service as "First Class Mail," in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 1-29-2004

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Julie Campbell
Julie Campbell

In re application of:

Art Unit:

Serial No.:

Filed:

Docket No.:

For:

The following is a list of documents enclosed:

Return Postcard
Request for Correction of Filing Receipt
Copy of Original Filing Receipt

FEB 02 2004

Form PTO-1449

Attorney Docket No.
050119-1072Serial No.
10/686,925

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicant
JonesFiling Date
10/16/03Group
3661

U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	4,812,843	03/14/89	Champion, III, et al.	340	905	08/11/87
	B	5,483,454	01/09/96	Lewiner, et al.	364	443	04/29/94
	C	5,955,974	09/21/99	Togawa	340	994	03/13/98
	D	6,006,159	12/21/99	Schmier, et al.	701	200	08/13/96
	E	6,124,810	09/26/00	Segal, et al.	340	994	09/15/98
	F	6,137,425	10/24/00	Oster, et al.	340	994	11/24/98
	G	6,184,802	02/06/01	Lamb	340	994	10/13/99
	H	6,191,708	02/20/01	Davidson	240	994	03/24/00
	I	6,253,148	06/26/01	Decaux, et al.	701	204	07/01/98
	J	6,360,101	03/19/02	Irvin	455	456	12/31/98
	K	6,374,176	04/16/02	Schmier, et al.	701	200	09/27/99
	L	6,400,956	06/04/02	Richton	455	456	11/15/99
	M	US 2002/0016171A1	02/07/02	Doganata, et al.	455	456	09/30/98

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	WO 9313510 A1	07/08/93	Great Britain	G08	G001/123	X	
	JP 11034872 A	02/09/99	Japan	B61	L025/02	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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		Document Number	Date	Country	Class	Subclass	Translation
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	P <input checked="" type="checkbox"/>	Moriok, et al., "Advanced Vehicle Monitoring and communication Systems for Bus Transit – Benefits and Economic Feasibility", Final Report - U.S. Department of Transportation, September 1991, Revised March 1993, Dot-T-94-03
	Q <input checked="" type="checkbox"/>	Brynielsson, Thore, "Step by Step Development Towards Attractive Public Transport, Chalmers University of Technology, Goteborg, Sweden, Department of Transportation, 1976.
	R	

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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	2002/0082770 A1	06/27/02	Jones			
	B	2002/0070882 A1	06/13/02	Jones			
	C	2002/0016171 A1	02/07/02	Doganata, et al.	455	456	
	D	5,594,787	01/14/97	Ohshima, et al.	379	114	07/19/95
	E	RE35,920	10/13/98	Sorden, et al.	342	457	
	F	3,568,161	03/19/71	Knickel	340	994	
	G						
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	L	2 559 930	08/23/85	France	G08G1	12		x
	M	2674355		France				x
	N	JP 11034872 A	02/09/99	Japan	B61L25	02		x
	O	52066175	06/01/77	Japan				x

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	3,644,883	02/22/72	Borman, et al.	340	23	
	B	3,845,289	10/29/74	French	235	151.2	
	C	3,886,515	05/19/75	Cottin, et al.	340	994	
	D	3,934,125	01/20/76	Macano	235	150.2	
	E	4,220,946	09/02/80	Henriot	340	23	04/20/78
	F	4,297,672	10/27/81	Fruchey, et al.	340	23	
	G	4,325,057	04/13/82	Bishop	340	539	
	H	4,350,969	09/21/82	Greer	340	23	
	I	4,525,601	06/25/85	Barnich, et. Al.	379	7MM	12/13/83
	J	4,585,904	04/29/86	Mincone, et al.	179	7.1 TP	01/06/84
	K	4,713,661	12/15/87	Boone, et al.	340	994	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	L	63288400	11/88	Japan	G08G1	12		
	M	WO 93/13510 A1	07/08/93	Great Britain	G08G1	123		
	N							
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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	4,791,571	12/13/88	Takahashi, et al.	364	436	
	B	4,799,162	01/17/89	Shinkawa, et al.	364	436	
	C	4,804,837	02/14/89	Farley	250	251	01/11/88
	D	4,812,843	03/14/89	Champion III, et al.	340	905	
	E	4,813,065	03/14/89	Segala	379	112	10/13/87
	F	4,857,925	08/15/89	Brubaker	340	994	01/11/88
	G	4,956,777	09/11/90	Cearley, et al.	364	424.02	
	H	5,003,584	03/26/91	Benyacar, et al.	379	119	04/16/90
	I	5,006,847	04/09/91	Rush, et al.	340	994	05/04/88
	J	5,014,206	05/07/91	Scribner, et al.	364	449	08/22/88
	K	5,021,780	06/04/91	Fabiano, et al.	340	994	

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	L						Yes No
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Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	5,021,789	06/1991	Fabiano, et al.	264	436	
	B	5,048,079	09/10/91	Harrington, et al.	379	112	08/10/90
	C	5,068,656	12/21/90	Sutherland	340	989	12/21/90
	D	5,103,475	04/07/92	Shuen	379	115	10/29/90
	E	5,113,185	05/12/92	Ichikawa	340	995	
	F	5,121,326	06/09/92	Moroto, et al.	364	449	
	G	5,122,959	06/16/92	Nathanson, et al.	364	436	
	H	5,131,020	07/14/92	Liebesney, et al.	379	59	
	I	5,144,301	09/01/92	Jackson, et al.	340	994	
	J	5,146,491	09/08/92	Silver, et al.	379	114	08/08/91
	K	5,155,689	10/13/92	Wortham	364	460	

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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	5,168,451	12/01/92	Bolger	364	436	
	B	5,179,584	01/12/93	Tsumura	379	114	11/01/91
	C	5,218,629	06/08/93	Dumond, Jr., et al.	379	59	
	D	5,218,632	06/08/93	Cool	379	126	10/16/91
	E	5,223,844	06/29/93	Mansell, et al.	342	357	
	F	5,243,529	09/07/93	Kashiwazaki	364	449	06/29/92
	G	5,263,260	04/22/97	Jones	340	994	
	H	5,299,132	03/29/94	Wortham	364	460	
	I	5,323,456	06/21/94	Oprea	379	375	
	J	5,351,194	09/27/94	Ross, et al.	364	449	
	K	5,361,296	11/01/97	Reyes, et al.	379	96	

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Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	5,381,338	01/10/95	Wysocki, et al.	364	449	
	B	5,381,467	01/10/95	Rosinski, et al.	379	121	10/30/92
	C	5,394,332	02/28/95	Kuawahara, et al.	364	449	
	D	5,398,190	03/14/95	Wortham	364	460	
	E	5,400,020	03/21/95	Jones	340	994	
	F	5,420,794	05/30/95	James	364	436	
	G	5,432,841	07/11/95	Rimer	379	59	
	H	5,440,489	08/08/95	Newman	364	426.05	01/21/93
	I	5,444,444	08/22/95	Ross	340	994	
	J	5,448,479	09/05/95	Kemner, et al.	365	424.02	
	K	5,461,374	10/24/95	Lewiner, et al.	340	994	

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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	5,483,234	01/09/96	Correel, et al.	340	994	06/02/94
	B	5,483,454	01/19/96	Lewiner, et al.	364	443	
	C	5,493,295	02/20/96	Lewiner, et al.	340	994	
	D	5,493,694	02/20/96	Vlcek, et al.	455	53.1	
	E	5,506,893	04/09/96	Buscher, et al.	379	114	11/29/94
	F	5,515,421	05/07/96	Sikand, et al.	379	67	07/26/94
	G	5,519,621	05/21/96	Wortham	364	460	
	H	5,526,401	06/11/96	Roach, Jr., et al.	379	59	
	I	5,539,810	07/23/96	Kennedy III, et al.	379	59	
	J	5,544,225	08/06/96	Kennedy III, et al.	379	59	
	K	5,546,444	08/13/96	Roach, Jr., et al.	379	59	

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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	5,552,795	09/03/96	Tayloe, et al.	342	357	05/03/94
	B	5,559,871	09/24/96	Smith	379	115	09/23/94
	C	5,577,101	11/19/96	Bohm	379	58	04/10/96
	D	5,579,376	11/26/96	Kennedy III, et al.	379	60	
	E	5,587,715	12/24/96	Lewis	342	357	
	F	5,594,650	01/14/97	Shah, et al.	364	449.1	
	G	5,602,739	02/11/97	Haagenstad, et al.	364	436	11/22/95
	H	5,623,260	04/22/97	Jones	340	994	
	I	5,648,770	07/15/97	Ross	340	994	
	J	5,652,707	07/29/97	Wortham	364	460	
	K	5,657,010	08/12/97	Jones	340	994	

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	A	5,668,543	09/16/97	Jones	340	994	
	B	5,673,305	09/30/97	Ross	379	58	
	C	5,694,322	12/02/97	Westerlage, et al.	364	464	
	D	5,694,459	12/02/97	Backaus, et al.	379	427	01/16/97
	E	5,699,275	12/16/97	Beasley, et al.	364	514 R	
	F	5,712,908	01/27/98	Brinkman, et al.	379	119	05/17/96
	G	5,715,307	03/03/98	Zazzera	379	265	04/18/96
	H	5,719,771	02/17/98	Buck, et al.	364	443	
	I	5,724,243	03/03/89	Westerlage, et al.	364	446	02/10/95
	J	5,724,584	03/03/98	Peters, et al.	395	671	08/15/96
	K	5,729,597	03/17/98	Bhusri	379	115	05/16/95

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3661**U.S. PATENT DOCUMENTS**

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	5,732,074	03/24/98	Spaur, et al.	370	313	
	B	5,736,940	04/07/98	Burgener	340	994	
	C	5,739,774	04/14/98	Olandesi	340	994	07/12/96
	D	5,742,672	04/21/98	Burk	379	198	07/18/95
	E	5,751,245	05/12/98	Janky, et al.	342	357	
	F	5,760,742	06/02/98	Branch, et al.	342	457	08/20/97
	G	5,771,282	06/23/98	Friedes	379	121	12/04/96
	H	5,771,455	06/23/98	Kennedy III, et al.	455	456	
	I	5,781,156	07/14/98	Krasner	342	357	04/23/97
	J	5,784,443	07/21/98	Chapman, et al.	379	119	02/01/96
	K	5,793,853	08/11/98	Sbisa	379	120	06/22/95

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Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	5,796,365	08/18/98	Lewis	342	357	
	B	5,799,073	08/25/98	Fleischer, III, et.al.	379	113	06/07/95
	C	5,799,263	08/25/98	Culbertson	701	117	
	D	5,805,680	09/08/98	Penzias	379	118	01/02/96
	E	5,808,565	09/15/98	Matta, et al.	340	994	
	F	5,835,580	11/10/98	Frazer	379	115	04/04/96
	G	5,841,847	11/24/98	Graham, et al.	379	114	04/11/97
	H	5,864,610	01/26/99	Ronen	379	127	01/26/98
	I	5,875,238	02/23/99	Glitho, et al.	379	116	12/21/95
	J	5,881,138	03/09/99	Kearns, et al.	379	114	04/25/97
	K	5,910,979	06/08/99	Goel, et al.	379	120	10/20/97

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Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	5,912,954	06/15/99	Whited, et al.	379	115	12/31/97
	B	5,915,006	06/22/99	Jagadish, et al.	379	127	05/01/97
	C	5,920,613	07/06/99	Alcott, et al.	379	114	04/25/97
	D	5,922,040	07/13/99	Prabhakaran	701	117	
	E	5,937,044	08/10/99	Kim	379	121	09/30/96
	F	5,943,320	08/24/99	Weik, et al.	370	259	12/12/96
	G	5,943,406	08/24/99	Leta, et al.	379	120	09/30/97
	H	5,943,657	08/24/99	Freestone, et al.	705	400	09/30/96
	I	5,945,919	08/31/99	Trask	340	825.491	
	J	5,946,379	08/31/99	Bhusri	379	115	07/31/98
	K	5,950,174	09/07/99	Brendzel	705	34	09/07/99

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	A	5,952,659	12/22/98	Welter, Jr.	379	116	12/29/95
	B	5,955,974	09/21/99	Togawa	340	994	
	C	5,956,391	09/21/99	Melen, et al.	379	114	02/10/97
	D	5,982,864	11/09/99	Jagadish, et al.	379	115	05/01/97
	E	5,987,103	11/16/99	Jagadish, et al.	379	114	03/19/97
	F	5,987,377	11/16/99	Westerlage, et al.	701	204	03/02/98
	G	5,991,377	11/23/99	Malik	379	114	08/11/97
	H	5,991,380	11/23/99	Bruno, et al.	379	115	10/21/97
	I	5,991,381	11/23/99	Bouanaka, et al.	379	115	10/30/97
	J	5,995,602	11/30/99	Johnson, et al.	379	116	03/24/99
	K	6,006,159	12/21/99	Schmier, et al.	701	200	

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	A	6,111,538	08/2000	Schuchman, et al.	342	357	
	B	6,124,810	09/26/00	Segal, et al.	340	994	
	C	6,134,501	10/17/00	Oumi	701	209	08/31/98
	D	6,137,425	10/24/00	Oster, et al.	340	994	11/24/98
	E	6,144,301	11/07/00	Frieden	340	572.8	02/10/97
	F	6,178,378	01/23/01	Leibold	701	202	04/30/99
	G	6,184,802	02/06/01	Lamb	340	994	
	H	6,191,708	02/20/01	Davidson	340	994	
	I	6,253,148	06/26/01	Decaux, et al.	701	204	
	J	6,278,936	08/21/01	Jones	701	201	
	K	6,313,760	11/06/01	Jones	340	994	

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	A	6,317,060	11/13/01	Jones	340	994	
	B	6,360,101	09/19/02	Irvin	445	456	
	C	6,363,254	03/26/02	Jones, et al.	455	456	
	D	6,363,323	03/26/02	Jones	701	213	
	E	6,374,176	04/16/02	Schmier, et al.	701	200	
	F	6,400,956	06/04/02	Richton	455	456	
	G	6,411,891	06/25/02	Jones	701	201	
	H	6,415,207	07/02/02	Jones	701	1	
	I	6,486,801	11/26/02	Jones	340	994	
	J	6,492,912	12/10/02	Jones			
	K	6,510,383	01/21/03	Jones			

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	A	09/558,508	04/26/03	Jones			
	B	08/762,052	12/09/96	Jones			
	C	08/852,119	05/06/97	Jones			
	D	09/516,288	03/01/00	Jones			
	E	09/163,588	09/30/98	Jones			
	F	10/435,767	05/12/03	Jones			
	G	10/436,346	05/12/03	Jones			
	H	10/322,956	12/18/02	Jones			
	I	10/392,264	03/18/03	Jones			
	J	10/326,556	12/20/02	Jones			
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	A	2002/0069017A1	06/06/02	Schmier, et al.	701	213	01/18/02
	B	2002/0098802A1	05/29/03	Jones	340	994	11/20/02
	C	2002/0099500A1	07/25/02	Schmier, et al.	701	200	02/01/02
	D	4,894,649	01/16/90	Davis	340	825.44	01/07/88
	E	5,097,429	03/17/92	Wood, et al.	364	569	04/23/90
	F	5,271,484	12/21/93	Bahjat, et al.	187	29.1	04/10/91
	G	5,428,546	06/27/95	Shah, et al.	364	449	10/16/92
	H	5,446,678	08/29/95	Saltzstein, et al.	364	514	12/18/92
	I	5,570,100	10/29/96	Grube, et al.	364	446	03/10/94
	J	5,680,119	10/21/97	Magliari, et al.	340	904	06/06/96
	K	5,513,111	04/30/96	Wortham	364	460	07/22/94

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	L	EP 0219859 A2	04/29/87	Europe	G08G	1/12	X	
	M	EP 0805427 A1	11/05/97	Europe	G08G	1/123		X
	N	WO 90/01236	02/08/90	PCT	H04M	1/54	X	
	O	WO 93/13503	07/08/93	PCT	G08	5/22	X	

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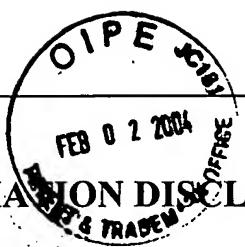
	P ✓	"Public Transportation Information and Management Systems", IEE Colloquium, Computing and Control Division, May 25, 1993, pp. 9/1-9/4, 12/1-12/2, 7/1-7/3.
	Q ✓	"Vehicle Location and Fleet Management Systems", IEE Colloquium, Computing and Control Division, June 8, 1993
	R ✓	The 3rd International Conference on Vehicle Navigation & Information Systems (VNIS) Norway, September 2-4, 1992, pp. 312-315

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	A	5,734,981	03/31/98	Kennedy, III, et al.	455	445	03/17/95
	B	5,774,825	06/30/98	Reynolds	364	449.7	10/18/95
	C	5,808,565	09/15/98	Matta, et al.	340	994	03/21/97
	D	6,094,149	07/25/00	Wilson	340	904	10/03/97
	E	6,097,317	08/01/00	Lewiner, et al.	340	994	04/30/97
	F	6,222,462	04/24/01	Hahn	340	904	05/13/99
	G	6,240,362	05/29/01	Gaspard II	701	209	10/19/00
	H	6,253,146	06/26/01	Hanson, et al.	701	202	12/06/99
	I	6,618,668	09/09/03	Laird	701	200	04/26/00
	J						
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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	L	WO 94/02922	02/03/94	PCT	G08G	1/123		X
	M	WO 94/27264	11/24/94	PCT	G08G	1/123	X	
	N	WO 96/04634	02/15/96	PCT	G08G	5/22		X
	O	WO 96/16386	05/30/96	PCT	G08G	1/123	X	

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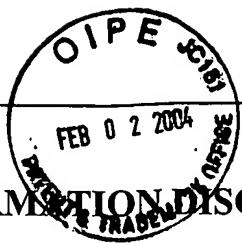
	P✓	Preiss, George; Jenson, Lillian; "The Satref and GPS Information Projects", 1992 IEEE - 3rd International Conference
		on Vehcile Navigation Information Systems, ppp. 648-655.
	Q✓	"Vehicle Navigation & Information Systems Conference Proceedings" (P-253), Society of Automotive Engineers, Inc.,
		October 1991, pp. 789-796.
	R	"1992 Compendium of Technical Papers", Institute of Transportation Engineers - INRAD: A Deminostration of Two-Way Roadway to Vehicle Communication for use in Traffic Operations", Annual Meeting, Washington, D.C.
		pp. 214-218.

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	L	WO 98/07128	02/19/98	PCT	G08G	1/123		X
	M	WO 98/08206	02/26/98	PCT	G08G		X	
	N	WO 98/14926	04/09/98	PCT	G08G	1/123	X	
	O	WO 98/40837	09/17/98	PCT	G06G	7/70	X	

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	P <input checked="" type="checkbox"/>	"Paving the Way for GPS in Vehicle Tracking", Showcase World, December 1992.
	Q <input checked="" type="checkbox"/>	"Advanced Vehicle Monitoring and Communication Systems for Bus Transit", Federal Transit Administration, September 1991, Revised March 1993.
	R <input checked="" type="checkbox"/>	Koncz, et al., "GIS-Based Transit Information Bolsters Travel Options", GIS World, July 1995, pp. 62-64.

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	A ✓	Helleker, Jan, "Real-Time Traveller Information – in everyone's pocket?! – a pilot test using hand-portable GSM terminals, IEEE – IEE Vehicle Navigation & Information systems Conference, Ottawa, VNIS 1993, pp. 49-52.					
	B ✓	Burgen, E.C., et al., "A Personal Transit Arrival Time Receiver", IEEE – IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. 54-55.					
	C ✓	Peng, Zhong-Ren, "A Methodology for Design for a GIS-Based Automatic Transit Traveler Information System", Computer, Environment and Urban Systems, Vol. 21, No. 5, pp. 359-372, 1997.					
	D ✓	Lessard, Robert, "The Use of Computer for Urban Transit Operations", IEEE – IEE Vehicle Navigation & Information systems Conference, Ottawa, VNIS 1993, pp. 586-590.					
	E ✓	Sommerville, Fraser, et al., "Reliable Information in Everyone's Pocket – a Pilot Test", IEEE, Vol. 1927, March 1994, pp. 425-428.					
	F ✓	"PROMISE – Personal Mobile Traveller and Traffic Information Service – Specification of Promise Services, Ver. 7", Telematics Application Programme A2, Transport, July 1, 1996.					
	G ✓	"PROMISE – Personal Mobile Traveller and Traffic Information Service – Generic Promise System Architecture, Ver. 2", Telematics Application Programme A2, Transport, September 10, 1996.					
	H ✓	"PROMISE – Personal Mobile Traveller and Traffic Information Service – Summary of Promise Public Relation Activities, Ver. 1", Telematics Application Programme A2, Transport, February 12, 1999.					
	I ✓	"PROMISE" – A Personal Mobile Traveller and Traffic Information Service – Abstract", The Institution of Electrical Engineers, 1997.					
	J ✓	Sommerville, Fraser, et al., "The Promise of Increased Patronage", The Institution of Electrical Engineers, 1993, pp. 3/1-3/4.					
	K ✓	"Automatic Transit Location System", Washington State Department of Transportation, Final Report, February 1996.					
	L ✓	"Advanced Traveler Aid Systems for Public Transportation", Federal Transit Administration, September 1994.					
	M ✓	"Advanced Vehicle Monitoring and Communication Systems for Bus Transit: Benefits and Economic Feasibility", U.S. Department of Transportation, Urban Mass Transportation Administration, September 1991.					
	N ✓	Leong, Robert, et al., "An Unconventional Approach to Automatic Vehicle Location and Control for Urban Transit", IEEE 1989, pp. 219-223.					
	O ✓	"1994 Vehicle Navigation & Information Systems Conference Proceedings", Yokahama, Japan, August 31 – September 2, 1994, pp. 807-810.					
	P ✓	"Vehicle Navigation & Information Systems Conference Proceedings – P-253, Part 2", Society of Automotive Engineers, Inc., October 1991.					
	Q ✓	"Vehicle Navigation & Information Systems – Conference Record of Papers presented at the 3 rd Vehicle Navigation & Information Systems Conference 1992., Reso Hotel, Osio Plaza., pp. 49-52.					
	R ✓	Nelson, J. Richard, "Experiences Gained in Implementing an Economical Universal Motorist System", IEEE – IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. 67-71.					

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	A ✓	"The Cassiope/Eurobus Approach", IEEE - IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. 79-81.					
	B ✓	Kihl, Mary, "Advanced Vehicle Location System for Paratransit in Iowa", IEEE - IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. 381-384.					
	C ✓	Gault, Helen, et al., "Automatic Vehicle Location and Control at OC Transpo", IEEE - IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. 596-600.					
	D ✓	Vehicle navigation & Information System - Conference Record of Papers presented at the First Vehicle Navigation and Information Systems Conference (VNIS '89), Sept. 11-13, 1999, pp. 602-605.					
	E ✓	Heti, Gabriel, "Travelguide: Ontario's Route Guidance System Demonstration", IEEE - IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. A13-A18.					
	F ✓	Jeffery, D.J., et al., "Advanced Traveller Information Systems in the UK: Experience from the Pleiades and Romanse Projects", IEEE - IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. 309-313					
	G ✓	Sweeney, Lawrence, E., et al., "Travinfo: A Progress Report", 1994 Vehicle Navigation & Information Systems Conference Proceedings, Yokahama, Japan, August 31 - September 2, 1994, pp. 315-320.					
	H ✓	Shimamura, Yta, et al., "Combined Position Detection System for Pedestrian/Train Mode", 1994 Vehicle Navigation & Information Systems Conference Proceedings, Yokahama, Japan, August 31 - September 2, 1994, pp. 603-606.					
	I ✓	Zavoli, Walt, "Customer Location Services", 1994 Vehicle Navigation & Information Systems Conference Proceedings, Yokahama, Japan, August 31 - September 2, 1994, pp. 613-617.					
	J ✓	Tanaka, Yoshimi, et al., "Automatic Traffic Information Provision System Utilizing Facsimile and Telephone (Now Operating in Osaka)", 1994 Vehicle Navigation & Information Systems Conference Proceedings, Yokahama, Japan, August 31 - September 2, 1994, pp. 627-632.					
	K ✓	McDonald, Mike, et al., "Romanse (Road Management System for Europe) Project", 1994 Vehicle Navigation & Information Systems Conference Proceedings, Yokahama, Japan, August 31 - September 2, 1994, pp. A-11 - A-14.					
	L ✓	Scott III, Robert H., "Computer-Aided Dispatch", 1998, pp. 46-50.					
	M ✓	Moore, Rodney J., "Hold the Phone!", American Demographics, Ithaca, Jan/Feb 1996, p. 68.					
	N ✓	Delong, Jr., Edgar S., "Making 911 even better", Telephony, December 14, 1987, pp. 60-63.					
	O ✓	Bruzek, Frank J., "Class Calling Service - A Consumer Service Perspective", Globecom '85 IEEE Global Telecommunications Conference, Dec. 2-5, 1985, Vol. 1 of 3, pp. 11.4.1 - 11.4.4.					

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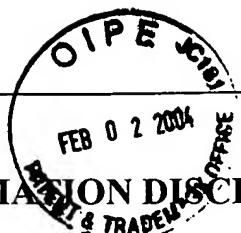
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	A ✓	Powell, R., et al., "Real Time Passenger Information System for the Romanse Project", Colloouin Digest – IEE, Boston, September 1993, pp. 9/1 – 9/3.					
	B ✓	Huber, Paul, "Public Transport Information Systems in Munich", Intelligent Transport Systems World Congress '95 – Second Wold Congress on Intelligent Transport Systems, Yokohama, Japan., November 9-11. 1995, pp. 2362-2366.					
	C ✓	Ronez, Nicholas, et al, "GIS-Based Transit Information Bolsters Travel Options", GIS World, Vol. 6, part 7, June 1995, pp. 62-64.					
	D ✓	Catling, Ian, et al., "TABASCO – Improving Transport Systems in Europe", Pacific Rim TransTech Conference, July 30-August 2, 1995, 995 Vehicle Navigation & Information Systems Conference Proceedings, Washington State Convention and Trade Center, Seattle, Washington, USA, pp. 503-507.					
	E ✓	Dailey, D.J., "Demonstration of an Advance Public Transportation System in the Context of an IVHS Regional Architecture", Proceedings of the First World Congress on Applications of Transport Telematics and Intelligent Vehicle-Highway Systems, November 30 – Dec. 3, 1994, Paris, France, pp. 3024-3031.					
	F ✓	Hubner, Paul, "Advance Public Transportation Information in Munich", International Conference on Public Transport Electronic Systems, Conference Publication No. 42, June 1996.					
	G ✓	Thompson, S.M., et al., "Exploiting Telecommunications to Delivery Real Time Transport Information", Road Transport Information and Control, 21-23 April, 1998, pp. 59-63, Conference Publication No. 454 IEE 1998.					
	H ✓	Kaminitzer, David, et al., "Driver Information Systems: Influencing your Route, IEE Seminar, March 3, 1999, pp. 5/1 – 5/5.					
	I ✓	"Board Cites ATC in Spokane Near Miss", Article in Aviation Week & Space Technology, March 28, 1977, URL: http://www.aviationnow.com .					
	J ✓	Shifrin, Carole A., "Gate Assignment Expert System Reduces Delays at United's Hubs", Article in Aviation Week & Space Technology, January 25, 1988.					
	K ✓	"United Airlines applies TI's advance technologies to improve gate management at major airports", Article in Business Wire, Inc., November 19, 1987.					
	L ✓	Musich, Paula, "Airline Designs Software to move planes, people; Unite Airline's use of Covia Corp.'s Open Systems Manager, Connectivity Section", Article in PC Week, June 7, 1988, vol. 5, No. 23, pg. C11					
	M ✓	Stoll, Marilyn, "Systems help Airlines Manage Gate Schedules; Connectivity Supplement", PC Week, July 25, 1988, Vol. 5, No. 30, pg. C4..					
	N ✓	Reddy, Shyamala, "Traveling LAN: United Airlines Networks Its Terminals", Article in The Local Area Network Magazine, January 1990, Vol. 5, No. 1, pg. 108.					
	O ✓	Fisher, Sharon, "Networked Airport Systems help Travelers find their way; United Airlines subsidiary Covia Corp. devices integrated network.", Article in Software Magazine, March 15, 1990, Vol. 10, NO. 4, Pg. 31..					

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	A ✓	Henderson, Danna K., "Automation Takes aim at airports: the power of the networked PC is being unleashed on passenger handling and ramp activities worldwide.", Article in Air Transport Wold, August 1990., Vol. 27, No. 8, pg. 52.					
	B ✓	"United Airlines introduces United Cargo Plug I, a new cargo computer system to serve freight forwarders", Business Wire, October 22, 1990.					
	C ✓	Miller, Barry, "Special Report: Airline Equipment, Service Center", Aviation Week & Space Technology, August 25, 1975, pg. 51.					
	D ✓	Lyon, Mark W., "Cargo Net Debate Splits Industry", Journal of Commerce, Specials, Pg. 4, July 27, 1992.					
	E ✓	Davies, I.L., et al., "Electronics and the Aeroplane", Proceedings of the Institution of Electrical Engineers, Paper No. 7604, delivered before the IEE Electronics Division, 29 th October 1975.					
	F ✓	"Global Niche", Flight International, September 26, 1990.					
	G ✓	"Real-Time Briefings", Aviation Week and Space Technology, October 13, 1986.					
	H ✓	Flanagan, Mike, et al., "Amelia Earhart – Mystery Still Clouds Soaring Achievements", Chicago Tribune, July 5, 1987, Final Edition, Pg. 5, Tempo Woman.					
	I ✓	"Official Airline Guides", Airports®, November 20, 1990, Around Airports, Vol. 7, No. 47, pg. 485.					
	J ✓	"Automation System Gains Acceptance", Aviation Week & Space Technology, November 23, 1992, Vol. 137, No. 21, pg. 97.					
	K ✓	Klass, Philip, "French Testing 'Ground-Derived' MLS", Aviation & Space Technology, Avionics, Pg. 56, December 15, 1975.					
	L ✓	"Forecast Realized for ATC System", Aviation & Space Technology, March 17, 1975, Avionics, Pg. 168.					
	M ✓	Henderson, Danna, et al., "Ionworks: America West Automates New Phoenix Terminal Fully Integrated System to Handle Customer-Service Demands (America West Airlines Inc) (Includes Related Article Automation of passenger Service at Airports)", Airport Transport World, May 1, 1991. Vol. 62.					
	N ✓	3 Pages from a web site search under http://mit.edu/afs/net.mit.edu/project/attic/usa-today/tech/37 , June 12, 2003					
	O ✓	"What's New in passenger Handling Equipment", Air Transport World, Vol. 24, Pg. 62, September 1987.					
	P ✓	"Senator Urges Acceleration of Navstar", Aviation & Space Technology, Avionics, pg. 153, October 3, 1983.					
	Q ✓	"AFSC Broadens Joint Program Efforts", Aviation & Space Technology, System Acquisition, pg. 83, July 19, 1976.					
	R ✓	Herskovitz, Don, "GPS Insurance Antijamming the System; Brief Article", Journal of Electronic Defense, December 1, 2000, No. 12, Vol. 23, Pg. 41.					

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	A ✓	Hambly, Richard M., et al., "Aircraft Traffic Management on the Airport Surface Using VHF Data Link for CNS", IEEE AES Systems Magazine, march 1995, pp. 9-13.					
	B ✓	Berzins, G., et al., "INMARSAT: Worldwide Mobile Satellite Services on Seas, in Air and on Land", Space Technology, Vol. 10, No. 4, pp. 231-237, 1990.					
	C ✓	Jenney, L.L., et al., "Man as Manager of Automated Resources in an Advanced Air Traffic System", J. Aircraft, Vol. 12, No. 12, December 1975.					
	D ✓	"Routing & Scheduling System improvements from RTSI; Routing Technology Software, Inc.; Product Announcement", Modern Brewery Age, Vol. 43, No. 3, Pg. 11S, January 20, 1992.					
	E ✓	Yanacek, Frank, "Hitching to the stars; satellites for shipment tracking", Research Information Transportation Journals, Combined, No. 6, Vol. 29, p. 16.					
	F ✓	Stoll, Marilyn, "For on-the-road firms, hand-held terminals are pivotal. Connectivity", Research Information Transportation Journals, Combined, No. 34, Vol. 5, p. C11.					
	G ✓	"IBM and Hunt to Market New Truck Tracker; International Business Machines", J.B. Hunt Transport Services; Brief Article, No. 210, Vol. 101, P. 4					
	H ✓	Klass, Philip J., "Two Carriers Plan Automatic Data Link", Aviation Week and Space Technology, Air Transport Section, May 23, 2977, p. 36.					
	I ✓	"Data Link Evolved Over Three Decades", Aviation Week and Space Technology, Air Transport Section, May 23, 1977, p. 36.					
	J ✓	Klass, Philip J., "American to Install Printers in Cockpits", Aviation Week and Space Technology, Avionics, July 21, 1980, p. 56.					
	K ✓	Lefer, Henry, "Computers on a boon to E&M, but at a price", Air Transport World, Vol. 23, Pg. 53, February, 1986.					
	L ✓	Donaghue, J.A., "Choice of Data Link Systems Expands as New Generation Hits the Market", Air Transport World, Vol. 20, p. 58, April 1983.					
	M ✓	Klass, Philip J., "Digital Network Could Improve Aircraft Links to Operations, ATC", Aviation Week and Space Technology, International Air Transport Section, Vol. 131, No. 21, P. 121, November 20, 1989.					
	N ✓	Board Cites ATC in Spokane Near Miss", Article in Aviation Week & Space Technology, Safety Section, March 28, 1977, p. 59					
	O ✓	"Vicorp Interactive Systems", Aviation Daily, Aviation Suppliers Section, Vol. 309, No. 17, pg. 147.					
	P						

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	A	Neumann, Dr. Horst, "ATC Concepts with Extensive Utilization of Automatic Data Processing", pp. 4-1 to 4-9; NO PUBLICATION INFORMATION OR DATE INFORMATION PROVIDED.					
	B	Maxwell, Robert L., "Automation Possibilities in Air Traffic Control", pp. 561-563, NO PUBLICATION INFORMATION OR DATE INFORMATION AVAILABLE.					
	C	"History of GPS", 3 pages, NO PUBLICATION INFORMATION OR DATE INFORMATION AVAILABLE.					
	D	"Road Transport Research – Intelligent Vehicle High Systems – Review of Field Trials", prepared by An OECD Scientific Expert Group, pp. 1-101, Organisation for Economic Co-Operation and Development - NO DATE INFORMATION AVAILABLE.					
	E	Ratcliff, Robert, et al., "Transportation Resources Information Processing System (TRIPS)", pp. 109-113, NO PUBLICATION INFORMATION OR DATE INFORMATION AVAILABLE.					
	F	Balke, Kevin., et al., "Collection and Dissemination of Real-Time Travel Time and Incident Information with In-Vehicle Communication Technologies, pp. 77-82, NO PUBLICATION INFORMATION OR DATE INFORMATION AVAILABLE.					
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	A	10/435,765	05/12/03	Jones			
	B	10/436,120	05/12/03	Jones			
	C	10/436,119	05/12/03	Jones			
	D	10/435,770	05/12/03	Jones			
	E	10/435,780	05/12/03	Jones			
	F	10/436,196	05/12/03	Jones			
	G	10/300,460	11/20/03	Jones			
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	AA	5,448,479	09/05/95	Kemner, <i>et al.</i>	365	424.02	
	AB	5,113,185	05/12/92	Ichikawa	340	995	
	AC	4,956,777	09/11/90	Cearley, <i>et al.</i>	364	424.02	
	AD	5,131,020	07/14/92	Liebesny, <i>et al.</i>	379	59	
	AE	5,218,629	06/08/93	Dumond, Jr., <i>et al.</i>	379	59	
	AF	5,144,301	09/01/92	Jackson, <i>et al.</i>	340	994	
	AG	5,493,295	02/20/96	Lewiner, <i>et al.</i>	340	994	
	AH	5,652,707	07/29/97	Wortham	364	460	
	AI	5,657,010	08/12/97	Jones	340	994	
	AJ	5,351,194	09/27/94	Ross, <i>et al.</i>	364	449	
	AK	5,121,326	06/09/92	Moroto, <i>et al.</i>	364	449	

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							Yes	No
	AL	63288400	11/88	Japan	G08G1	12		X
	AM	52066175	06/01/77	Japan				X
	AN	2 559 930	08/23/85	France	G08G1	12		X
	AO	2674355		France				X

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	AP	4,812,843	03/14/89	Champion, III, <i>et al.</i>	340	905	
	AQ	4,350,969	09/21/82	Greer	340	23	
	AR	5,539,810	07/23/96	Kennedy, III, <i>et al.</i>	379	59	
	AS	5,299,132	03/29/94	Wortham	364	460	
	AT	5,400,020	03/21/95	Jones	340	994	
	AU	5,694,322	12/02/97	Westerlage, <i>et al.</i>	364	464	
	AV	4,791,571	12/13/88	Takahashi, <i>et al.</i>	364	436	
	AW	5,323,456	06/21/94	Oprea	379	375	
	AX	4,325,057	04/13/82	Bishop	340	539	
	AY	5,544,225	08/06/96	Kennedy, III, <i>et al.</i>	379	59	
	AZ	5,546,444	08/13/96	Roach, Jr., <i>et al.</i>	379	59	

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	BA	5,623,260	04/22/97	Jones	340	994	
	BB	3,644,883	02/22/72	Borman, <i>et al.</i>	340	23	
	BC	4,297,672	10/27/81	Fruchey, <i>et al.</i>	340	23	
	BD	4,713,661	12/15/87	Boone, <i>et al.</i>	340	994	
	BE	5,771,455	06/23/98	Kennedy, III, <i>et al.</i>	455	456	
	BF	5,519,621	05/21/96	Wortham	364	460	
	BG	5,736,940	04/07/98	Burgener	340	994	
	BH	5,021,780	06/04/91	Fabiano, <i>et al.</i>	340	994	
	BI	5,461,374	10/24/95	Lewiner, <i>et al.</i>	340	994	
	BJ	5,673,305	09/30/97	Ross	379	58	
	BK	5,699,275	12/16/97	Beasley, <i>et al.</i>	364	514 R	

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	BL	5,361,296	11/01/97	Reyes, <i>et al.</i>	379	96	
	BM	4,799,162	01/17/89	Shinkawa, <i>et al.</i>	364	436	
	BN	5,579,376	11/26/96	Kennedy, III, <i>et al.</i>	379	60	
	BO	5,526,401	06/11/96	Roach, Jr., <i>et al.</i>	379	59	
	BP	5,648,770	07/15/97	Ross	340	994	
	BQ	RE 35,920	10/13/98	Sorden, <i>et al.</i>	342	457	
	BR	5,168,451	12/01/92	Bolger	364	436	
	BS	5,444,444	08/22/95	Ross	340	994	
	BT	5,394,332	02/28/95	Kuwhara, <i>et al.</i>	364	449	
	BU	3,934,125	01/20/76	Macano	235	150.2	
	BV	5,668,543	09/16/97	Jones	340	994	

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	BW	3,845,289	10/29/74	French	235	151.2	
	BX	5,122,959	06/16/92	Nathanson, <i>et al.</i>	364	436	
	BY	5,602,739	02/11/97	Haagenstad <i>et al.</i>	364	436	
	BZ	5,068,656	11/26/91	Sutherland	340	989	
	CA	4,804,937	02/14/89	Barbiaux <i>et al.</i>	340	52 F	
	CB	5,014,206	05/07/91	Scribner <i>et al.</i>	364	449	
	CC	5,724,243	03/03/98	Westerlage <i>et al.</i>	364	446	
	CD	4,220,946	09/02/80	Henriot	340	23	
	CE	5,739,774	04/14/89	Olandesi	340	994	
	CF	5,760,742	06/02/98	Branch <i>et al.</i>	342	457	
	CG	5,233,844	06/29/93	Mansell <i>et al.</i>	342	357	

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	CH	5,587,715	12/24/96	Lewis	342	357	
	CI	5,594,650	01/14/97	Shah <i>et al.</i>	364	449.1	
	CJ	5,719,771	02/17/98	Buck <i>et al.</i>	364	443	
	CK	5,381,338	01/10/95	Wysocki <i>et al.</i>	364	449	
	CL	5,515,421	05/07/96	Sikand <i>et al.</i>	379	67	
	CM	6,313,760	11/06/01	Jones	340	994	
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